УДК 547.1:547.8

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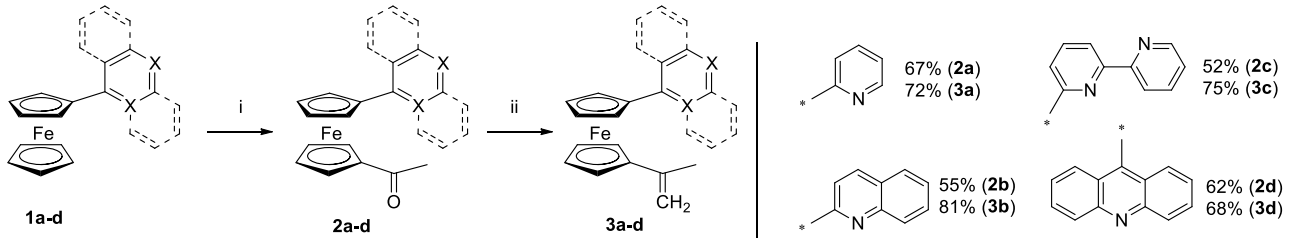
SYNTHESIS OF 1-AZINYL-1′-ISOPROPENYLFERROCENES*

Keywords: isopropenylferrocene, regioselective synthesis, Friedel–Crafts acylation, Wittig reaction.

Appended olefins in ferrocene system allow ones to create the high conjugated two-dimensional p-electron system [1] giving the wide scope of useful materials [2]. Moreover, metal-containing polymers appear to act in the processes of a redox-responsive release from patchy nanocapsules [3], catalysis modulating activity [4] and ion-selective membrane-gating through nanopores. The very fact of having a lipophilic ferrocene moiety in the structure of drugs modulates the range of their physiological activity while enhancing it [5].

In this work we combine olefins and azines fragments on the ferrocene matrix by regioselective acetylation of azines followed by the Wittig reaction.



Scheme 1. *Reagents and conditions:* i, Ac_2O, $AlCl_3$, CH_2Cl_2, 0 °C; ii, $Ph_3P{=}CH_2$ (from $Ph_3PMe^+I^-$ and BuLi), Et_2O, rt.

** This study was supported by the Russian Science Foundation (grant № 19-73-00243) and the Russian Foundation for Basic Research (Project № 20-43-660054).*